

L Number	Hits	Search Text	DB	Time stamp
1	963	ink and (colo\$lrant dye pigment) and (binder resin) and (methyl adj acetate methyl adj ethanoate tereton devoton methyl adj acetic adj ester acetic adj acid adj methyl adj ester)	USPAT; US-PGPUB	2003/03/06 19:54
4	704	(ink and (colo\$lrant dye pigment) and (binder resin) and (methyl adj acetate methyl adj ethanoate tereton devoton methyl adj acetic adj ester acetic adj acid adj methyl adj ester)) and (acetone ethanol ethyl adj alcohol) and ((binder polymer resin) near (acrylic cellulosic acetal ketone vinyl acrylate acrylic aldehyde phenolic maleic poyester rosin))	USPAT; US-PGPUB	2003/03/06 20:00
7	173	((ink and (colo\$lrant dye pigment) and (binder resin) and (methyl adj acetate methyl adj ethanoate tereton devoton methyl adj acetic adj ester acetic adj acid adj methyl adj ester)) and (acetone ethanol ethyl adj alcohol) and ((binder polymer resin) near (acrylic cellulosic acetal ketone vinyl acrylate acrylic aldehyde phenolic maleic poyester rosin))) and polyvinyl adj butyral	USPAT; US-PGPUB	2003/03/06 20:16
10	11	((((ink and (colo\$lrant dye pigment) and (binder resin) and (methyl adj acetate methyl adj ethanoate tereton devoton methyl adj acetic adj ester acetic adj acid adj methyl adj ester)) and (acetone ethanol ethyl adj alcohol) and ((binder polymer resin) near (acrylic cellulosic acetal ketone vinyl acrylate acrylic aldehyde phenolic maleic poyester rosin))) and polyvinyl adj butyral) and 106/\$.ccls.	USPAT; US-PGPUB	2003/03/06 20:32
13	4	((((ink and (colo\$lrant dye pigment) and (binder resin) and (methyl adj acetate methyl adj ethanoate tereton devoton methyl adj acetic adj ester acetic adj acid adj methyl adj ester)) and (acetone ethanol ethyl adj alcohol) and ((binder polymer resin) near (acrylic cellulosic acetal ketone vinyl acrylate acrylic aldehyde phenolic maleic poyester rosin))) and polyvinyl adj butyral) and 523/160,161.ccls.	USPAT; US-PGPUB	2003/03/06 20:34

1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS

RN 79-20-9 REGISTRY

CN Acetic acid, methyl ester (6CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN Devoton

CN **Methyl acetate**

CN Methyl ethanoate

methyl acetic

CN Tereton

FS 3D CONCORD

MF C3 H6 O2

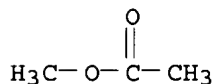
CI COM

LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PIRA, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VTB

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6715 REFERENCES IN FILE CA (1962 TO DATE)

27 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

6730 REFERENCES IN FILE CAPLUS (1962 TO DATE)

200 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

**OSHA**Occupational Safety & Health Administration
U.S. Department of Labor[Home](#)
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Methyl Acetate[◀ Chemical Sampling Information - Table of Contents](#)[▶ Field Definitions](#)
[▶ Analytical Methods](#)
[▶ Health Guidelines](#)

General Description

NAME: Methyl Acetate**SYNONYM(s):** Acetic acid, methyl ester; Methyl acetic ester; Methyl ethanoate**IMIS:** 1650**CAS:** 79-20-9**NIOSH:** RTECS AI9100000; 2582**DOT:** UN1231 Flammable Liquid**DESCRIPTION:**

Colorless liquid with a fruity odor.

MW: 74**BP:** 57 C**VP:** 173 mm**MP:** Solidifies at -98 C**INCOM:** Nitrates; strong oxidizers, alkalies, and acids

Exposure Limits

OSHA GENERAL INDUSTRY PEL: 200 ppm, 610 mg/m³**OSHA CONSTRUCTION INDUSTRY PEL:** 200 ppm, 610 mg/m³ TWA**ACGIH TLV:** 200 ppm, 606 mg/m³ TWA; 250 ppm, 757 mg/m³ STEL**NIOSH REL:** 200 ppm TWA, 250 ppm STEL

Health Factors

SYMPTOM(s): Nose, throat irritation; headaches; drowsiness; optic atrophy

HEALTH EFFECTS: Irritation-Eye, Nose, Throat, Skin---Mild (HE16) Narcosis (HE8); CNS effects (HE7)

ORGAN: Respiratory system, skin, eyes

Monitoring

PRIMARY SAMPLING/ANALYTICAL METHOD (SLC1):

MEDIA: Charcoal Tube (100/50 mg sections, 20/40 mesh)

ANL SOLVENT: Carbon Disulfide

MAX V: 7 Liters **MAX F:** 0.2 L/min (TWA)

MAX V: 3 Liters **MAX F:** 0.2 L/min (STEL)

ANL 1: Gas Chromatography; GC/FID

REF: 1 (NIOSH 1458)

SAE: 0.09

CLASS: Fully Validated

SECONDARY SAMPLING/ANALYTICAL METHOD (SAM2):

DEVICE: Detector Tube **COMPANY:** Kitagawa

PART #: 148 **RANGE:** 0.01-3.0%

CLASS: Mfg

DEVICE: Instrumentation **COMPANY:** Infrared Spectrophotometer

PART #: MIRAN 1A & 1B **RANGE:** 0.3 ppm @ 9.6 um

CLASS: Mfg

DEVICE: Instrumentation **COMPANY:** Organic Vapor Analyzer

PART #: Organic Vapor Analyzer

CLASS: Mfg

◀ [Chemical Sampling Information - Table of Contents](#)

Revision Date: 05/17/2000

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